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Sheet 1	1	Of	8

COMPLETE IF KNOWN		
Application Number	10/026,019	
Filing Date	December 27, 2001	
First Named Inv ntor	Ralph Johnson	
Art Unit	2828	
Examiner Name	Tuan M Nguyen	
Attorney Docket Number	V637-02674 US	

Date

Considered

	U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No ¹	Document Number	Number Kind Code ² (if known)	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
TX.	 	US 4445218	(II KIIOWII)	04-24-1984	Coldren	
1		US 4608697		08-26-1986	Coldren	
	 	US 4622672		11-11-1986	Coldren et al.	
		US 4829347		05-09-1989	Cheng et al.	
- 		US 4873696		10-10-1989	Coldren et al.	
	<u></u>	US 4896325		01-23-1990	Coldren	
	 	US 5045499		09-03-1991	Nishizawa et al.	
	 	US 5082799	Α	01-21-1992	Holmstrom et al.	
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	t	US 5358880	Α	10-25-1994	Lebby et al.	
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		US 5568504	Α	10-22-1996	Kock et al.	
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		US 5719891	Α	02-17-1998	Jewell	
$\neg \downarrow$		US 5719894	Α	02-17-1998	Jewell et al.	

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Sheet	2	Of	8

COMPLETE IF KNOWN		
Application Number	10/026,019	
Filing Date	December 27, 2001	
First Named Inventor	Ralph Johnson	
Group Art Unit	2828	
Examiner Name	Tuan M Nguyen	
Attorney Docket Number	V637-02674 US	

DW	US 5719895	Α	02-17-1998	Jewell et al.
1	US 5729567	Α	03-17-1998	Nakagawa
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	US 5978398	Α	11-02-1999	Ramdani et al.
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	US 5991326	Α	11-23-1999	Yuen et al.
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V	US 6061381	Α	05-09-2000	Adams et al.

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Attorney Docket Number	V637-02674 US	

on	US 6121068	Α	09-19-2000	Ramdani et al.
1	US 6127200	Α	10-03-2000	Ohiso et al.
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	US 6372533	B2	04-16-2002	Jayaraman et al.
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	US 6434180	B1	08-13-2002	Cunningham
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Sheet	4	Of	8

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Application Number	10/026,019	
Filing Dat	December 27, 2001	
First Named Inventor	Ralph Johnson	
Group Art Unit	2828	
Examiner Name	Tuan M Nguyen	
Attorney Docket Number	V637-02674 US	

				FOF	REIGN PATEN	T DOCUMENTS		
Examiner Initials*	Cite No ¹	Country Code ³	reign Patent Doo	cument Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Reievañt Figures Appear	T ⁶
DW		EP	0 740 377	A1	10-30-1996	Hewlett-Packard Company		
,		EP	0 740 377	В	10-30-1996	Hewlett-Packard Company		
		EP	0 765 014	A1	03-26-1997	France Telecom		
		EP	0 765 014	B1	07-28-1999	France Telecom		
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		EP	0 874 428	A2	10-28-1998	Motorola, Inc.		
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		wo	98/007218	A1	02-19-1998	W.L. Gore & Associates, Inc.		
		wo	00/033433	A2	06-08-2000	Arizona Board of Regents		
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		wo	00/052789	A2	02-29-2000	The Regents of the University of California		
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		wo	00/065700	A2	11-02-2000	Gore Enterprise Holdings, Inc.		
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		wo	01/016642	A2	03-08-2001	Agility Communications		
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COMPLETE IF KNOWN				
Application Number	10/026,019			
Filing Date	December 27, 2001			
First Named Inventor	Ralph Johnson			
Group Art Unit	2828			
Examiner Name	Tuan M Nguyen			
Attorney Docket Number	V637-02674 US			

OW	wo	01/018919	A1	03-15-2001	The Regents of the University of California	
	wo	01/024328	A2	04-05-2001	Agility Communications	
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	wo	01/033677	A2	05-10-2001	Arizona Board of Regents	
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	wo	01/093387	A2	12-06-2001	Sandia Corporation	
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	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
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DV		ALMUNEAU, G., et al., "Accurate control of Sb composition in AlGaAsSb alloys on InP substrates by molecular beam epitaxy", article, Journal of Crystal Growth, Vol 208, 05-06-1999, pgs 113-6.				
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		BLACK, K., et al. "Double-fused 1.5 μm vertical cavity lasers with record high T _o of 132K at room temperature", article, Electronics Letters, Vol 34, No 20, 10-01-1998, pgs 1947-9.				
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Examiner Signature	m	Date Considered	02/04/04

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First Named Inventor	Ralph Johnson		
Group Art Unit	2828		
Examiner Name	Tuan M Nguyen		
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pw	CAMPBELL, J., et al., "Quantum dot resonant cavity photodiode with operation near 1.3 μm wavelength", article, Electronics Letters, Vol 33, No 15, 07-17-1997,pgs 1337-9.
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Examiner Signature	Date Considered	02/04/04
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Examiner Signature	m	Date Considered	02/04/04
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COMPLETE IF KNOWN			
Application Number	10/026,019		
Filing Dat	December 27, 2001		
First Named Inventor	Ralph Johnson		
Group Art Unit	2828		
Examiner Name	Tuan M Nguyen		
Attorney Docket Number	V637-02674 US		

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Application Number	10/026,019		
Filing Date	December 20, 2001		
First Named Inventor	Ralph Johnson		
Group Art Unit	2828		
Examiner Name	Tuan M Nguyen		
Attorney Docket Number	V637-02674 US		

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DW		ANAN, T., et al., "Continuous-wave operation of 1.30 um GaAsSb/GaAs VCSELs", article, Electronics Letters, Vol 37, NO 9, 04-26-2001, pgs 556-7.	
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Filing Date	December 20, 2001				
First Named Inventor	Ralph Johnson				
Art Unit	2828				
Examiner Name	Tuan M Nguyen				
Attorney Docket Number	V637-002674 US				

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	Applicati n Number	10/026,019	
INFORMATION DISCLOSURE	Filing Date	December 20, 2001	
STATEMENT BY APPLICANT	First Named Inventor	Ralph Johnson	
(USE AS MANY SHEETS AS NECESSARY)	Group Art Unit	2828	
Sheet 2 Of 2	Examiner Name	Tuan M Nguyen	
	Attorney Docket Number	V637-02674 US	

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DW		LIVSHITS, D., et al., "8W continuous wave operation of InGaAsN lasers of 1.3 μm", article, Electronics Letters, Vol 36, No 16, 08-03-2000, pgs 1381-2.International Search Report, dated 03-27-2003, relative to PCT application No. PCT/US 02/39414, the foreign equivalent to the instant U.S. application 10/026,055.	
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STATEMENT BY APPLICANT	Filing Dat	December 20, 2001		
/ I	First Nam d Inventor	Raiph Johnson		
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	Examiner Name	Tuan M Nguyen		
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